Rec'd PET/PTO 0 1 OCT 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 9 October 2003 (09.10.2003)

PCT

(10) International Publication Number WO 2003/083485 A3

- (51) International Patent Classification⁷: G01N 33/68, 33/574, C12Q 1/68, A61K 38/00, 39/00, 48/00, C07K 16/00
- (21) International Application Number:

PCT/GB2003/001443

(22) International Filing Date:

2 April 2003 (02.04.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0207533.1

2 April 2002 (02.04.2002) GF

- (71) Applicant (for all designated States except US): OXFORD GLYCOSCIENCES (UK) LTD [GB/GB]; Attn: Mary Gadsden, The Forum, 86 Milton Park, Abingdon, Oxfordshire OX14 4RY (GB).
- (72) Inventor; and

- (75) Inventor/Applicant (for US only): PATEL, Sonal [GB/GB]; The Forum, 86 Milton Park, Abingdon, Oxfordshire OX14 4RY (GB).
- (74) Agent: BLAKEY, Alison, Jane; Oxford GlycoSciences (UK) Ltd, The Forum, 86 Milton Park, Abingdon, Oxfordshire OX14 4RY (GB).

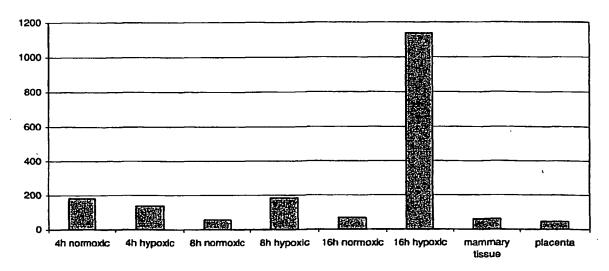
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
 4 March 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROTEIN FOR USE IN HYPOXIA RELATED CONDITIONS



(57) Abstract: The present invention relates to new uses of Solute Carrier 6 (SC6), a taurine transporter, in the diagnosis, screening, treatment and prophylaxis of hypoxia related conditions e.g. cancer. Compositions comprising the protein, such as vaccines and agents that modulate the protein expression or activity, including antibodies that are immunospecific for the protein, are also provided.